

ABSTRACT OF THE DISCLOSURE

A cold plate assembly for cooling a heat source is disclosed. The cold plate assembly
5 includes a rectangular base having an inner surface for thermally interfacing with the heat
source. Machining or casting or molding a contour to interface with the heat source forms
the base. A heat pipe thermal plane or individual heat pipes are selected to conform to the
thermal cooling capacity of the cold plate assembly. One or two compact heat exchangers
are selected to remove the heat conducted through the base to the cooling fluid used in the
10 compact heat exchanger. The three modules are bonded together to form the cold plate
assembly.

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